ANCHORAGE AMATEUR RADIO CLUB

PRESIDENT-HARVEY ROOKUS-NL7DK-333-4693

CLUB PHONE:345-0719

FEBRUARY 1989

HAM CALENDAR

Feb. 3 - AARC GENERAL MEETING
SPENARD REC CENTER, 7 PM.
2020 W. 48 th, Anchorage.

Feb. 8 - AARC BOARD MEETING
HOPE COTTAGE MEETING ROOM
BERING STREET, BETWEEN
NORTHERN LIGHTS & BENSON.

VEC TESTS:

Anchorage: First Wed., 6:30pm
at Blood Bank of Alaska,
4000 Laurel St.
Eagle Rvr: Third Wed., 7 PM,
Eagle Rvr VFW Hall.
(for further info call Roger,
KL7HFQ, 243-2221 or 786-8121.)

Wilse Morgan, KL7CQ & Roger Hansen, KL7HFQ were honored at the Christmas party for their valued contributions to Amateur Radio. Wilse has taught for several years and Roger is the VEC for Anchorage and surrounding area.

WANTED: AARC Editorial Assistant willing to do occasional typing and delivery for the AARC Newsletter. Help with bulk mailing may be necessary also. We also need an Ads Manager who can coordinate commercial ads for the newsletter. It would be an advantage if one person accepted both jobs, but it is not imperative. -AL7KM.

PARKA (Polar Amateur Radio Klub of Alaska) members turned out for the December Christmas party and received recognition for contributing services to AARC. Present were NL7DL, NL7NN, KL7IO, KL7PA, KL7IAF, NL7KN, NL7HK, and AL7KM.

NEWS FROM THE DOG KENNEL - NL7DK

Here we go again! Just for starters, I want to Thank Linda-NL7FY for the fine job she is doing as our Activity Chairman. We have been having good programs, good door prizes, etc. Thanks also goes to Roger-KL7HFQ, our VE Coordinator. He spends many hours making certain that the VE program in our State works properly. He has traveled many miles to be certain a potential Ham has been able to take a test to become a new Ham. We really appreciate Roger and the Volunteer Examiners that assist him. If you could hear some of the sour comments made about some of the testing in other areas, true or not you would see that we have some of the finest in the 50 states. How many of you have used your Auto-Patch capabilities for contacting the Police , Fire or other emergency services? Have you used the correct method? Remember that we can lose these service connections if we mis-use them. The main one is the 911 call, be certain that life or property is in danger before using it. If, as an example you witness an accident with no injuries involved use 912 which will connect you with the Anchorage Police Dispatcher. If you have a question regarding the emergency numbers ask for a Control Operator and they can assist you. We have a great Repeater System, we Thank all those who are involved with it. Don't forget we are voting for the Ham Of The Year at this months meeting. Good DXing etc. 73 NL7DK

PUBLISHED BY THE ANCHORAGE AMATEUR RADIO CLUB, INC., P.O. BOX 10- 1987, ANCHORAGE, ALASKA, 99510-1987. EDITOR, ANNE GIBSON, AL7KM, 562-0326. STORIES AND OPINIONS EXPRESSED HERE-IN REFLECT ONLY THE VIEW OF THE WRITER, NOT NECESSARILY OF THE EDITOR OR AARC OFFICERS.

AARC GENERAL MEMBERSHIP MEETING JAN 6, 1989

The membership was is a jolly mood as they assembled for their first meeting of the new year. Well over 40 members were in attendance to greet their esteemed president Harvey Rukus as he mounted the podium to call the meeting to order at 1922 hours.

KL7HM discussed the club budget which had been presented to the membership in the November newsletter. Overall the budget has increased due to increases in our income from gaming. The law requires that we pay out what we take in so thus the increase in budget. The total budgeted amount is $76,680.

It was moved seconded and passed that the budget as submitted be adopted.

In the past the club had ordered belt buckles with your ham call on them. So far only 3 people have signed up but it takes 25 to place an order. If you want one sign up.

The prez will check into club logo jackets if there is an interest.

Our wonderful QSL Bureau chief sent out 1,002 packets of cards to hams in Alaska. A great round of applause was forth coming from the audience.

It was reported that Kerwin KL7RT of Fairbanks is now a silent key.

The Board has discussed the various problems dealing with antenas in Anchorage. If you have any questions or hear of any type of regulatory activity going on call one of your Board members to let them know about it.

The president made the mistake of asking for a show of hands of those present as to who did not think the code test should be required. After the riot was quelled and order restored we called in Mr Carl Grant of APD talk to the meeting about crime prevention and how to protect your gear.

In 1987 there were 1117 cars stolen in Anchorage, in those there was $700,000 of lost equipment, 40% of the cars had there keys in the car, 60% of the cars were unlocked. Could you be the next one? Anchorage is in the top 10% nationally in cars stolen.

Few of the members raised their hands when asked if they had their equipment inventoried and even fewer had it marked with either their SS# or ADL #. How do you expect to reclaim it if you can't identify it? Get busy.

The idea was discussed to have hams come down and check stolen gear to see if it is ham equipment and to try to find the owner.

Everyone enjoyed the evening out and those of us who won raffle prizes enjoyed it even more. See you at the next meeting?

AL7GN

AARC BOARD MEETING 11 JANUARY 1989

A quorum being present once the secretary arrived the president hastily called the meeting to order at 1907 hours before anyone could step outside to test the weather. Doughnuts were passed all around to the great pleasure of those in attendance and to the sorrow of those of you who were snowed in on the hillside.

The club continues to do well in the financial area thanks to the great work of our treasurer and the steadily increasing income from the gaming chairman. A new account has been opened by the club to satisfy the requirements of the new state law. Fred and Fred will get together this month and fill out the necessary paperwork to keep the state and IRS at bay.

No reports from the trustee. VP nor secretary.

Doug, KL7IKX reported that the VHF antenna move has increased the southern coverage without any apparant loss in valley coverage.

AL7D_ wrote to report they have a new daughter in Florida. He is headed to Japan then Thule. He will try to make it to Brimfrost.

Speaking of which, if you hear strange talk on 6 meters during Brimfrost it is probably some field commanders using unauthorized channels on their radios. Call Rick, YF if you hear anything.

Iditarod is underway with respect to planning. 145.05 will be the Hq Big Lake intertie for trail traffic on packet. Please don't use .05 during the race.

145.03 is temporarily on upper O'Malley.

The activities chairperson was snowed in for the night and couldn't make it to the meeting. She is doing great and would consider doing it again in a year.

Wilse, permanently elected flea market chairman, will be requested to postpone his retirement for a week inorder to be in attendance at this years event. Not being present at the meeting he was unable to respond so the Board voted that he couldn't leave until after the flea market.

The Board was reminded that is a vacancy occurs then the Board needs to suggest a new member to the general membership for approval.

About 6-8 amateurs are using the local ATV.

A letter from Russ Drake says hi.

KJD would like to get in touch with any hams working sattelites.

Fur Rondy is about all organized. The only check point left is one accessed by skis only. Any volunteers?

The president will sign the club up for the Rec Center for another year in May.

The club will ask PARKAS whether they will handle mothers day this year.

Walk for Hope is 1st week of May.

Rick, YF helped design, build and deliver an antenna to MacLaughlin Center. They do not have all their approvals so the club will help when the time is ripe.

REMEMBER THAT 911 IS ONLY TO BE USED FOR LIFE THREATENING EMERGENCIES. Some hams have been using it for less than these cases. Please use the other police numbers for non life threatening reports. Thanks, the people who's life may be in danger will appreciate the open line when necessary.

The question of the month. Why does the repeater ID with an EP once in awhile? Well the answer is that whenever it is on emergency power (EP) then it tells you so. If it is then it cannot pick up some of the weaker signals so don't get upset, switch to your high power where you should have been anyway. Also those of you who couldn't read the code you should brush up a bit. It is not saying EX nor ET. . .--. I think.

There is a study to put another antenna on the mtn where .94/.34 is now. If so expect mor intermod.

Moved, seconded and passed to buy the QSL Bureau a new Foreign Call Book.

Moved, seconded and passed to buy the local FCC office a current repeater directory.

Discussion was lengthy on how to get the club an updated state wide mailing list of current hams. Pass along your ideas to any Board member. Mark Hadley, KL7HD, volunteered to put a list together.

Doug reported that Rick helped to ship the rebuilt repeater to Haines. The balance of the equipment will be driven down soon.

The next General membership meeting will be upstairs at the Rec center.

The doughnuts and ideas being gone the meeting adjourned and we all went home.

AL7GN

This was just received at KL7HFM, I have the disk in IBM 360 K format and will be glad to furnish a copy to anyone who wants it.

Post Office Box 205 Holmdel, NJ 07733
201-671-8114 [R]
201-834-1149 [B]

December 17, 1988

Dear Prospective APLink Sysop:

Thanks for requesting APLink software. APLink is a software system that runs on an IBM PC (or compatible).It provides an AMTOR mailbox via either an AMT-1 or PK-232 through the serial port.AMTOR users, via HF, can enter messages or bulletins to other stations.The commands are similar to VHF packet but without the verbosity that is often found on those systems.

The enclosed APLink User's Guide outlines the commands of the system.

An additional feature of APLink is that HF AMTOR users can enter messages to be automatically forwarded over the North American packet network. To do this, the SYSOP installs an additional serial port on the PC and connects this port to a PK-87 (or PK-232) for a VHF packet interface. With this addition, AMTOR stations can enter messages for relay via packet. Also, packet users can forward messages to remote AMTOR stations. This feature is used today by ocean going ham radio recreational sailors in the Caribbean, the Gulf of Mexico and the Atlantic who want to keep in touch with their ham friends back in the states. I use an APLink system in the San Francisco area to keep in touch with a friend in Honolulu. It truely has "long-haul" capability. New features of APLink that are in the works include semi-automatic mail forwarding via AMTOR from one APLink machine to another. This is of particular interest to Amateurs in the Pacific and Pacific Rim.

APLink was written by Vic Poor, W5SMM, and is available for ham radio use without charge. The software is distributed on a single 5-1/4" MS-DOS 360K floppy diskette. Those who would like to receive a copy of the software should send a floppy mailer that contains a formatted 360 K diskette, a self addressed label and return postage to me at:

Paul Newland, ad7i
Post Office Box 205
Holmdel, NJ 07733-0205

I am acting only as a "clerk" for this software dissemination process. I don't run an APLink system,-although I am a frequent user.

Those who need answers to technical questions about establishing
an APLink system should contact:

Craig McCartney, WA8DRZ
160 Montalvo Road
Redwood City, CA 94062
415-367-8232 [R]
WA8DRZ @ KB6OWI

You can also leave a message for Craig on his APLink system. He scans mark frequencies of 14072.5, 73.5, 74.5 and 75.5 looking for AMTOR ARQ selcall WDRZ.

If you would like to suggest new features, it's probably best to contact APLink's author, Vic Poor, W5SMM, directly at:

Victor D. Poor, W5SMM
8819 Welles Edge
San Antonio, TX 78240
W5SMM @ WA5QZI

Vic lives on his sailboat and often doesn't get home for months at a time. Postal mail sent to his Texas address is forwarded once every few weeks. If you want to get something to Vic in a hurry, send him a message via WA8DRZ APLink, K5SV APLink or send a packet message to W5SMM @ WA5QZI.

The simplest way to know if there is a new release of APLink is to log into Craig's WA8DRZ APLink system. The sign-on message tells you what version he is running. Craig will almost always be the first station to be running new softwate. Please understand that he might be testing a "pre-release" version. However, once you see that he is running something new you are free to send me another diskette. Iwill load it and return it to you once Vic and Craig have cleared the new code for release.

Thanks or your attention and interest.

Sincerely,

Paul Newland, ad7i

The Ultimate CB Conversion

SSB CB to 80 Meter Conversion Project
Part IV - The Receiver I.F.

This month I am covering the SSB IF which we will be robbing from the CB which is currently under attack. While most of this project has been pretty exciting, this is more 'grunt' work, as we really aren't designing anything, just MODIFYING existing stuff.

Some of the circuitry you see in this schematic is slightly modified COBRA 140GTL ssb CB I.F., which I transplanted from the original CB circuit board. I did, however, make numerous modifications. The first obvious modification (for anyone who happens to have a 140GTL schematic) is the removal of all the AM circuitry. The second most obvious modification is that I threw out the COBRA audio amp in favor of the LM380. Otherwise, the schematic shown is pretty much COBRA 140GTL.

The I.F. input from the mixer/first I.F. (on the RX RF board) is taken at the 7.8 Mhz RX I.F. crystal filter. TR17, TR42, and TR16 provide further I.F. amplification, and feed the AGC and TR13 ssb detector, AGC detector/amplifiers (D4,D6,D15,FET1), and the S-Meter detector (TR12). FET1 controls the gain of the first I.F. (on the RX RF board) directly, and provides input to the DELAYED AGC AMP for the RF amp in the receiver front-end. TR13 is switched off during transmit via R32.

I built the circuits shown on a RADIO SHACK 4 1/2" by 6 1/4" pad-per-hole perfboard (part number 276-147). Construction is very critical due to the high sensitivity of the IF amplifiers. I surrounded each stage with extensive ground busses to the point where the grounds formed nearly a 1-inch square grid around all the circuits. Every power point was bypassed to the ground-grid, and all power wiring was run next to a ground buss. With all this, I still had to relocate the first IF amplifier from the IF board to the RX RF board due to the tendency of the IF to break into oscillation. It is due to the perf-board construction, and the difficulty in isolating stages with this type of construction, that I decided not to attempt to use any of the TX IF stages for the receiver also (as was my original intent).

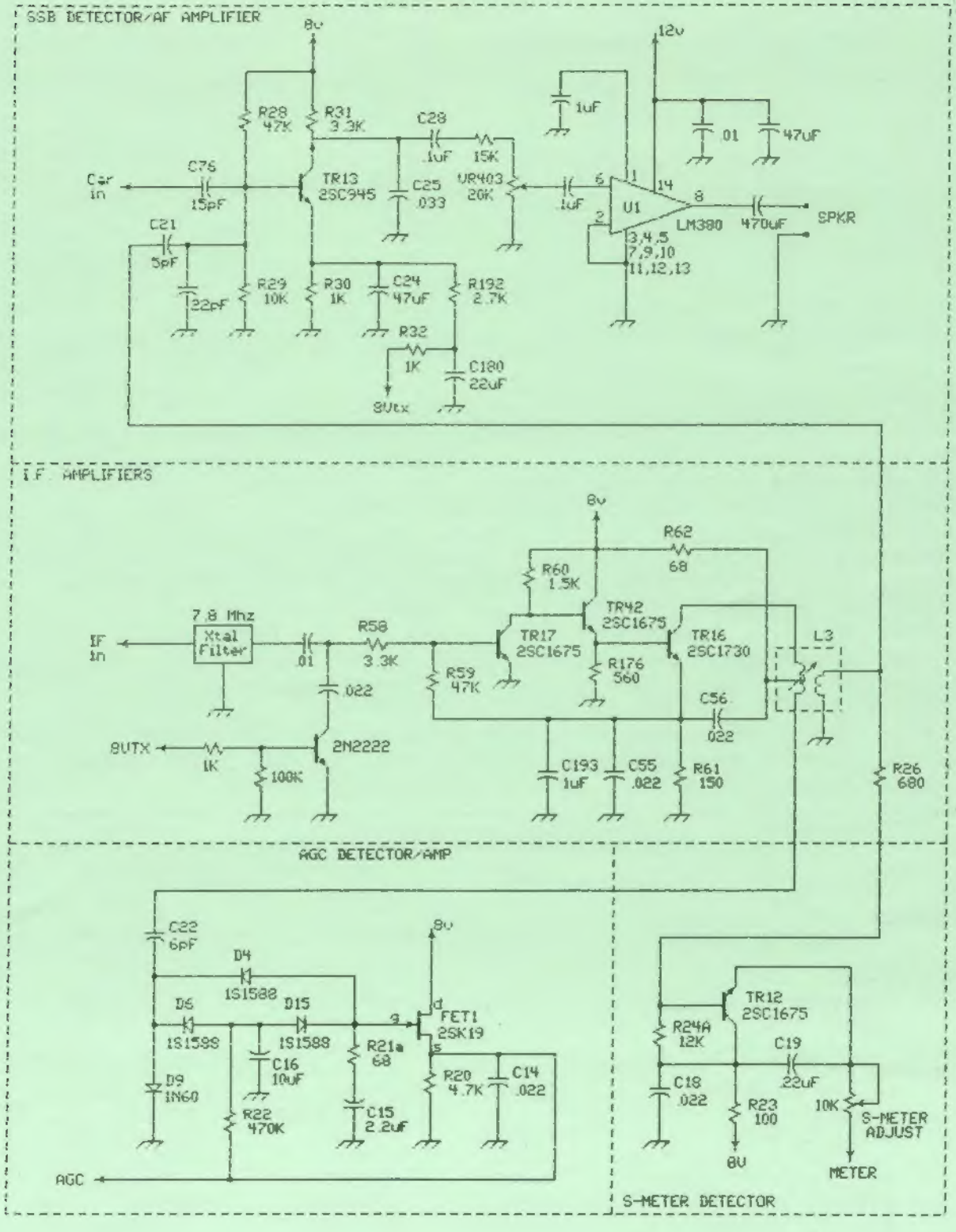
I have, as of this article, completed the entire receiver, and am very impressed with it's performance. The only bugs left to work out are some minor shielding problems with the PLL, and I still need to complete the TX/RX switching circuits.

This is a VERY HOT I.F. circuit.

73's KL7GQ

MODIFIED SSB CB RECEIVER I.F.

CIRCUITS REMOVED FROM A COBRA 140GTL



Wizard Circuit Specialties
P.O. BOX 884
VALDEZ, ALASKA 99686

VEC YEAR END AND TOTAL REPORT

	NOVICE	TECHNICIAN	GENERAL	ADVANCED	EXTRA
ANCHORAGE	(41) 5	(112) 29	(103) 33	(47) 14	(21) 7
BEYERS LAKE		(2)	(2)	(1)	
EAGLE RIVER	(3) 2	(13) 14	(5) 6	(7) 4	(3) 2
FAIRBANKS	(8) 2	(63) 20	(33) 15	(22) 5	(17) 2
HAINES	(1) 1	(3)	(1) 1		(1)
JUNEAU	(2)	(19) 4	(20) 1	(10) 2	(4) 1
PETERSBURG	(1)	(1)			(1)
SOLDOTNA		2			
WILLOW		1			
TOTALS	(56) 10	(213) 70	(164) 56	(87) 25	(47) 12

Numbers in () are new and upgraded licenses from April 1984 to Dec 1987.
Numbers not in () are new and upgraded licenses from Jan 1988 to Dec 1988.

Total new and upgraded licenses (April 1984 to Dec 1987) 567
Total new and upgraded licenses (Jan 1988 to Dec 1988) 173
Total number of applicants (April 1984 to Dec. 1987) 1,231
Total number of applicants (Jan 1988 to Dec 1988) 409
Total number of elements attempted (April 1984 to Dec 1987) 1,956
Total number of elements attempted (Jan 1988 to Dec 1988) 712
Total number of elements passed (April 1984 to Dec 1987) 914
Total number of elements passed (Jan 1988 to Dec 1988) 387
Element pass ratio (April 1984 to Dec 1987) 914/1956 = 46.7%
Element pass ratio (Jan 1988 to Dec 1988) 387/712 = 54.4%
Total number of elements passed (April 1984 to Dec 1988) 1301
Total number of elements attempted (April 1984 to Dec 1988) 2668
Element pass ratio (April 1984 to Dec 1988) = 48.8%

NEW HAMS AND UPGRADES!

	CALL	FROM	TO
ANCHORAGE			
ANDREW J. LARSEN	WL7BSV	NOVICE	TECHNICIAN
EAGLE RIVER			
CORINNE H. JOHNSON	WL7BNR	NOVICE	TECHNICIAN
BOBBY E. LITTLE		NO LICENSE	NOVICE
FAIRBANKS			
LELAND R. BOWMAN	WL7BST	NOVICE	GENERAL
ANDRE M. CLAY		NO LICENSE	NOVICE
DAVID E. LUCE	WL7BSR	NOVICE	GENERAL
CLARENCE E. Mc KEY JR.	WL7BIQ	NOVICE	TECHNICIAN
BETTY A. MARSHALL	WL7BQN	NOVICE	TECHNICIAN
KURT D. TORGERSON	NL7GW	ADVANCED	AMATEUR EXTRA
MARY M. WORRALL	WL7BSQ	NOVICE	TECHNICIAN
JUNEAU			

submitted by Roger Hansen, KL7HFQ, VEC Director)

VOLUNTEER EXAMINER PROGRAM
A GUEST EDITORIAL
by Billy Connor, AL7FQ

reprinted from SHORT CIRCUIT

There have been a number of questions and problems which have arisen over the last few months concerning the Volunteer Examiner Testing Program. I have spoken to Roger [Hansen (KL7HFQ), VE Coordinator from Anchorage] about several of these problems. The following comments are based upon that conversation.

First, a number of folks have arrived at the test without a copy of their license. IT IS THE RESPONSIBILITY OF THE EXAMINEE TO PROVIDE A COPY OF HIS OR HER LICENSE. While the examiners have often provided copy facilities, they are not required to do so.

There have been several examinees show up at the exam stating that they had passed the Novice exam with no written documentation. The FCC is very explicit on this. All written examinations must be taken in order. If an examinee shows up with no proof of passing previous examinations, the VE's may NOT administer subsequent examinations. If you have recently passed the Novice examination, make sure that you get a copy of the 610 and bring that to the examination. If you have a CERTIFICATE OF SUCCESSFUL COMPLETION, bring a copy with you to the examination. Again, if you have no written proof, you will be required to retake that element.

Here is where things get a little confusing. There are two ways to handle those with pending licenses. The first way is to give the examinee a copy of the Certificate of Successful Completion, with no additional privileges given. When you get your license, send a copy to Roger and he will forward the package to FCC for your upgrade. However, no immediate upgrade can be given.

The second way is to send the signed certificate to Roger who will hold it until you send a copy of your license to him. He will then mail you a certificate and you'll have an instant upgrade. However, if you come to the next exam without having gotten the certificate from Roger, you'll have to retake that element. Further, there is always the possibility of the package getting lost in the mail.

The problem is that no more than one action can be pending with the FCC at any one time. So Roger cannot forward anything to the FCC without a copy of the latest license. Let us know which method you prefer. However, realize the constraint each alternative places upon you. Once the

paperwork is submitted, you cannot change your mind. Better yet, wait until you get your license in hand before taking the next element. Examinations are given often enough that this won't slow your progress very much, since the paperwork will be held in Anchorage until you send Roger a copy of your license.

The CW elements are a bit different. Anyone may take the 20 wpm examination first. If you pass it, you need not take the 13 wpm or the 5 wpm exam.

Remember that the VE's are giving their time to administer these examinations. Further, they are bound by the rules and regulations and their licenses may be in jeopardy if these are violated. Their word is final. If they feel that you should retake any element, then you must do so. The regulations specifically state that the VE's may, at their discretion, reject Certificates of Successful Completion from another VEC. This includes the 610 provided to you by those who administered the Novice examination. While this has not happened yet in Alaska, the possibility does exist.

In summary, make sure you bring a copy of your latest license and any Certificates of Successful Completion with you to the examination. If you have no proof of passing all preceding written elements, you will not be given subsequent written elements. At that point you may either retake the element(s) or wait until you obtain your license.

The examiners are willing to give you every assistance they can, but they are bound by the regulations. Be understanding and make their job as pleasant as possible. Good luck.

Remember the repeater that the Club/Alascom sent to the Hawaii Weast Amateur Radio Group? Well, it alive and well and on the air on the South Kona Coast. Ray Beik NH6K was most instrumental in getting it in place and it is being maintained by HWARG. The precise location is above Kealakekua Bay about fifteen miles south of Kailua-Kona town. The operating frequency is 146.72 MHz minus 600 KHz transmit. So, if you are planning a vacation on the Big Island, be sure to carry along your two meter hand-held and check in on this repeater. Ray may even invite you to lunch!

Aloha,

Fred KL7HH

IT'S TIME FOR IDITASKI. IDITASKI with start February 2nd, a Thursday and go probably tell Tuesday the 7th. Chris Moore is running it again this year which includes the 100 miles plus Iditashoe race.

Sharon Dean, KL7VL, is in charge of the amateurs on the trail to Skwentna and back to Knik. At Little Sue is Rich Runyan, AL7FI; Big Sue is Harley Steward, KL7IZZ; Alexander Creek is Daniel Stevens, KL7WM; Rabbit Lake is Ed Bosco, WL7BOR; Skwentna Crossing is Paul Schepler, AL7GM, Skwentna is Harvey Rookus, NL7DK; Riversong Lodge is Fred Erickson, KL7VC; Yentna Station is Ken Slauson, WB7SFO; and Kroto Slough is Tom Choate, KL7JA. Shari Runyan, AL7FJ, has gathered amateurs for the headquarters at Knik lake.

Chris is now living in Kodiak and has done a GREAT job running this 200 mile cross-country ski race each year. It has been a lot of fun helping out and being around. Hats off to Chris, KL7PD.

Daniel Stevens, KL7WM

IDITABIKE will start Saturday, February 18th, at 9:00 AM and run 72 hours until Tuesday, February 21st at 9:00 AM. Wayne Groomer, KL7HHO (376-5604), and Daniel Stevens, KL7WM (258-3617), are coordinating this for the amateurs. There will be only six checkpionts: Knik HQ (start-finish), Big Sue (out and in) Kathy Engle, KL7ZR, Rabbit Lake (out), Skwentna (turnaround) Sharon Dean, KL7VL, Riversong Lodge (return), Yentna Station (return). As you see we need some ham for the checkpoint as well as for headquarters. Please contact either Wayne or Daniel. Daniel has a voice pager to hear twenty seconds of your voice when you call and he will return you call. It is 268-4001.

Volunteer to watch these crazies ride multi-speed bikes across two hundred miles of snow. There are many from the lower forty-eight as well as other nations. Last year there was a film crew, a video tape made and well as magazines writers on the trail. Amateur radio operators made history again. One of the highlights of the bikers was picking up dog booties drop from Iditarod mushers. This year the race has been moved up two weeks hoping to get better snow to ride on. The booty hunt may not be as prosperous this year, but I know the stories will be. Come on out to Knik Lake and HELP out. We need lots of operators at HQ, since we want to run a 24 hour a day station. This is the same Saturday and Sunday as Rondy races, but they are in the day time and we need operators in all time slots.

Daniel Stevens, KL7WM

KL7IUI MEMORIAL "IDITAROD SPECIAL"

(Editor's note: This reprint available thanks to Lance, AL7BK.)

Well boys and girls..here it is..the moment you've all been waiting for. The unveiling of the Iditarod Special trail antenna and moose garotte. Actually this thing's so simple I'm surprised I was able to put it together.

Here's what you need:
- 120 feet of wire - #14 will do nicely
- 15 feet of nylon cord - ¼ inch
- 1 barrel type insulator
- 4 alligator clips
- 2 hours (approximately)

The first thing you need to do is belt down a beer or Coke to steel yourself for the monumental task ahead. Then assemble the 20-meter dipole first using the 468/freq. in mHz formula to determine the length. In this case the length of each leg is 16'6". This distance is measured fromthe hole through which each leg is tied to the center insulator to the end of the wire including the loop you'll put in the end of each leg. Make sure the loop is secure because there'll be a lot of tension on it. Your 10-meter section is now complete (resonant frequency 14.292). Time for a beer.

Next, take your nylon cord and cut two sections just over 3 feet long each. You need to make them longer than three feet because you'll be looping both ends and the loops must be added to the total length. Tie one end of your cord to the loops you have made in the 20-meter dipole. The other end gets looped and tied to another length of wire. We are now ready to build up the 40-meter section. Make sure your cord length is exactly 3 feet, loop to loop, on each leg of the antenna. To get the 40-meter antenna completed, add 13 feet of wire to each leg. This length again is measured loop to loop. Loop and tie one end through the cord already attached to the 20-meter dipole. Loop the other end of each 13-foot wire. Now prepare the remaining nylon line exactly as you did the first pair, and attach them to the 40-meter sections you have just completed, the same as before. To the free ends of each leg add 24'6" of wire to each leg and loop the ends. This completes the major portion of the antenna. All you need to do now is attach jumper wires to the outboard ends of the spacers (see diagram) long enough to barely make up the space, attach alligator clips to the free end and there you are. To operate 20 meters (14.292) simply disconnect all clips. To operate 40 (7.250), connect the innermost set of clips and leave the outer clips disconnected. To operate 75 (3.940) connect all the clips. The antenna is designed to be operated from a height of about six feet. You'll need to really cinch up the support halyards to eliminate sag and therefore the loops you make have got to be strong. Also, supporting the center might help. Feed it with RG58 and wrap the whole thing around a coffee can to transport. That's it... and it works. I had great results on 20 with the antenna only three feet above the ground. Worked the Papuli Net on 40 the same way and S-9 in Juneau, Nome and Fairbanks on 75.

The antenna obviously displays some ground characteristics. The higher it is the happier it is. But keep it at a distance where you can change bands without having to take it down. That's the whole idea. We'd like everyone going out on the trail to use this type of antenna. It's reliable and very portable. And that's what we need. Due thanks and recognition for this inspirational piece of gear goes to Mike Barbarick KL7IXT.

(Contributed by Chip Lewis KL7IUI.)

SEE PAGE 15 FOR THE DIAGRAM OF THIS ANTENNA.

(**DUE TO THE POOR QUALITY OF LAST MONTH"S PG. 15, WE REPEAT.)

ANCHORAGE AMATEUR RADIO CLUB

12/24/88 ROSTER Page 7

CALL	NAME	ADDRESS	CITY	STATE	ZIP	PHONE	
KL7HFM	WEGMER, FRED	1910 ROSEMARY	ANCHORAGE	AK	99508	H:274-3464	W:862-9288
WL7BQM	WEST, MICHAEL D.	POB 452	STERLING	AK	99672	H:262-5938	
WB5DNT	WHITE, DAN	12831 MISSION CIR	ANCHORAGE	AK	99516	H:345-7288	W:265-6193
NL7JY	WHITE, SANDRA L	923 W 73RD AV	ANCHORAGE	AK	99518	H:344-8973	W:274-8536
KL7ZM	WHITNEY, RICH	2925 CAMPBELL AIRSTRIP RD	ANCHORAGE	AK	99504-3821	H:333-1405	W:263-6849
KL7HNM	WICK, BRIAN	3750 WINTERSET	ANCHORAGE	AK	99508	H:561-8288	W:786-1743
KL7JIM	WILCOX, STEPHEN A	3631 SCANNON BAY CR	ANCHORAGE	AK	99502	H:349-5056	W:333-4544
AL7CT	WILLIAMS, JOHN W	2205 BONIFACE #71	ANCHORAGE	AK	99504	H:338-4751	W:864-1218
NL7IM	WILLIAMS, RICHARD A	1530 BIRCHWOOD CT	ANCHORAGE	AK	99508	H:276-7706	W:267-1364
KL7ISA	WILSON, ROBERT	POB 110955	ANCHORAGE	AK	99511-0955		
KL7KU	WILSON, T. STANTON	POB 10498	ANCHORAGE	AK	99510-0498	H:279-4358	
KL7WQ	WISWELL, NORMAN	4201 RABBIT CREEK RD	ANCHORAGE	AK	99516	H:345-4748	
KL7EKB	WOLFINGTON, DEL	9124 GLORALEE ST	ANCHORAGE	AK	99502	H:243-4720	W:243-2198
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KL7ENP	WOOLSEY, ROBERT	11141 RIDGECREST DR	ANCHORAGE	AK	99516	H:346-1649	
WL7BNW	YERKS, LAWRENCE E	4200 REKA DR	ANCHORAGE	AK	99508	H:338-4442	W:563-3141

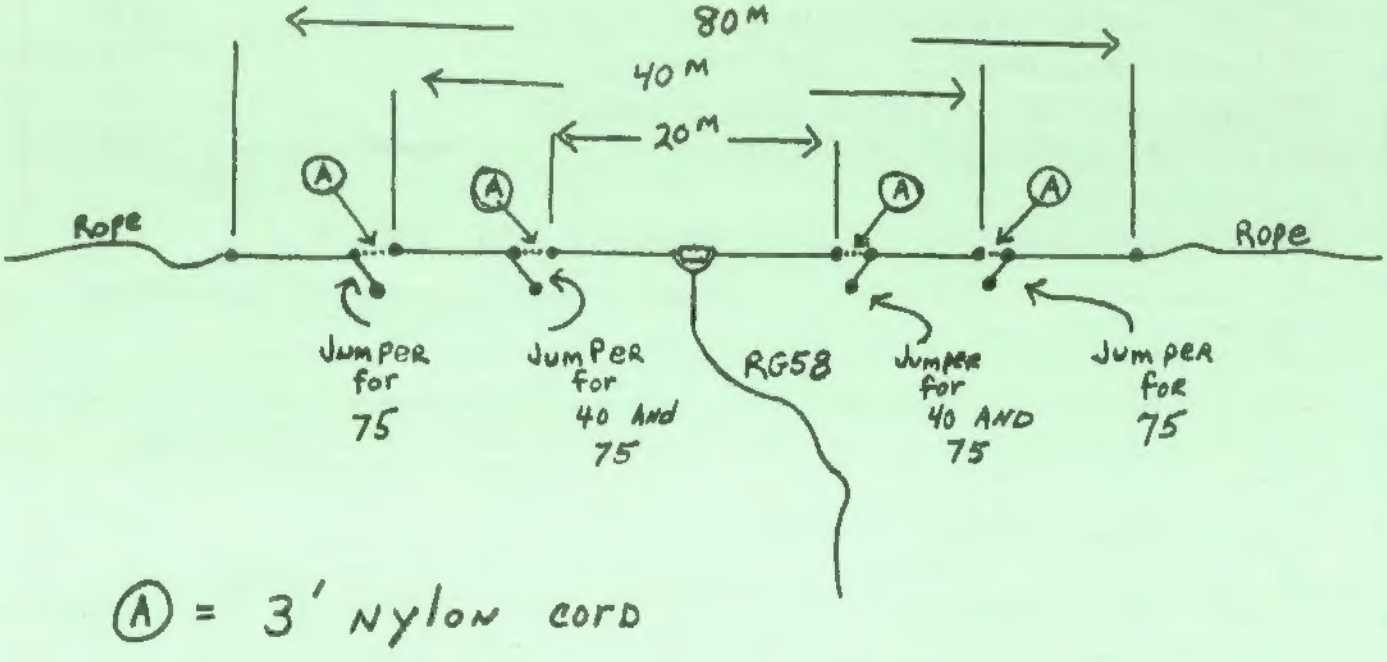

DIAGRAM OF THE KL7IUI MEMORIAL "IDITAROD SPECIAL" (pg. 14)

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Kenwood VFO-120 Remote VFO - matches 120S - - - - - - - - 95
Kenwood DFC-230 Digital Remote VFO w/mike-match 120S 110
Hy-gain 1V 10 mtr FM /conv. CB/ 8 watts/29.26-29.69 mhz 90
10 mtr amplifier - 10 in for approx 70-90 out- - - - - - - - - 75
10 mtr amplifier - 10 in for approx 70-90 out - - - - - - - - -75
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